

# iMélange

October 2025



Monthly Magazine of The Institute of Marine Engineers (India)





# The Institute of Marine Engineers (India)

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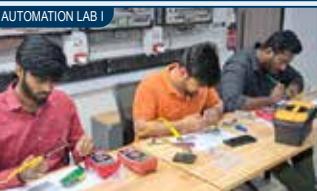


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# From the Editor's Desk



Dear Esteemed Readers,

The month of festivals brings a season of reflection and momentum. As the maritime community navigates both tradition and transformation, this issue of *iMélange* captures the pulse of India's evolving seafaring landscape—where human endeavour, innovation and sustainability converge.

At the institutional forefront, the newly elected Governing Council at Head Office convened for its first meeting, marking the start of its term and setting strategic priorities for the months ahead. Meanwhile, the seminar organized by the Mumbai Branch highlighted the human side of modern seafaring—reminding us that behind every ship, every voyage and every regulation are people whose skills, resilience and values chart the course of the industry.

World Maritime Day 2025, celebrated under the theme "*Our Ocean, Our Obligation, Our Opportunity*", brought global attention to the shared responsibility of protecting and harnessing our oceans sustainably. Complementing this, IMU's I-ESKIMO 2025 initiative continued to empower students with knowledge about IMO frameworks, blending academic rigour with practical insights—preparing India's next generation of maritime professionals to engage confidently on the world stage.

Sustainability and green initiatives took centre stage with *Samudra Śuddhih, Rāṣṭrasya Vṛiddhih*, reflecting India's commitment to a green maritime renaissance. The flagging off of India's first fleet of EV trucks with swappable batteries at JNPA, alongside eight key projects inaugurated by Shri Sarbananda Sonowal at the Golden Jubilee of New Mangalore Port Authority, signals a decisive step toward cleaner, smarter maritime operations.

Industry collaboration and global engagement were also celebrated as IMarEST launched its India Branch in Bhubaneswar. The Women in Maritime Leadership course, a collaboration between IMO, WMU and WISTA equips future leaders to navigate opportunities and challenges with competence and confidence.

In operational highlights, the Indian Register of Shipping announced the successful delivery of the deck cargo ship *HAITENG 007* in China. Leadership transitions were also marked, with Shri Vijay Kumar appointed as the new Secretary of Ports, Shipping and Waterways, reflecting continuity and renewed vision for India's maritime governance.

This edition also features reflections and inspiration from students, professionals and writers—the evocative poem *The Measure of a Life*, alongside the continuation of *Marine Musings – Titanic Part VIII*, reminding us that the human story is at the heart of every maritime journey.

As the season unfolds, the message resonates clearly: India's maritime future thrives where people, policy, technology and sustainability intersect. We look forward to your reflections and contributions for the upcoming edition at [editornewsletter@imare.in](mailto:editornewsletter@imare.in) or [subeditor@imare.in](mailto:subeditor@imare.in) by **7th November 2025**.

A handwritten signature in black ink, appearing to read "Sunil Kumar".

**SUNIL KUMAR**  
Editor-in-Chief (Hon.) – *iMélange*

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# First Governing Council Meeting of Newly Elected Office Bearers (2025-27)



The 106<sup>th</sup> Governing Council Meeting of the Institute of Marine Engineers (India) was held virtually on 18<sup>th</sup> October 2025 via Zoom. The meeting began with a minute's silence in remembrance of the late Mr. I. M. Rao (F-061) and Mr. P. B. Ray (F-976), followed by a welcome address by **Mr. Kaushik Seal**, President, IME(I), who also introduced the newly elected Governing Council members for the 2025–2027 term. The Council adopted the agenda and minutes of the previous (105th) meeting and granted leave of absence where applicable. Several important matters were deliberated upon, including the formation

of various sub-committees, selection of the Chairmen for the High Value Committee and Benevolence Fund and approval of changes in Head Office signatories. The meeting also ratified resolutions passed by circulation, approved new memberships and grade transfers and discussed nominations and alternate nominees in external bodies under "Any Other Matter." The session concluded with a vote of thanks proposed by **Mr. Sunil Kumar**, Vice President, IME(I), marking the successful completion of the 106th GC Meeting.

Below is the list of the newly elected Sub-Committee Chairmen:

Formation of Various Sub-Committees				
S No.	Name of Sub-Committee	Acronym	Name of the Chairman of the Sub-Com	IME(I) Portfolios
1	Administration & Legal	ALSC	Mr Vivek Diwakar Prasad	Hon. General Secretary
2	Finance & Business Development	FBDSC	Mr Rajesh Kasaragod	GC Member, IME(I) Mumbai Branch
3	Publications Library & Website	PLWSC	Mr Vivek Diwakar Prasad	Hon. General Secretary
4	Admissions & Membership	AMSC	Mr Sanjeev Vakil	GC Member, IME(I) Chennai Branch

5	Quality	<b>QSC</b>	Mr V D Prasad Samavedam	GC Member, IME(I) Visakapatnam Branch
6	Benevolence Fund	<b>BF</b>	Mr Sajan John	Chairman, IME(I) Kochi Branch
7	Examinations & Certification	<b>ECSC</b>	Mr Sadhan Kumar Sarkar	Chairman, IME(I) Kolkatta Branch
8	Students	<b>SSC</b>	Mr Sunil Kumar	Vice President
9	Member Grievance Cell	<b>MGC</b>	Mr Rajeev Nayyer	Imm. Past President
10	Equivalency & Recognition	<b>ERSC</b>	Mr Sanjeev Mehra	Chairman, IME(I) Mumbai Branch
11	Members Welfare	<b>MWSC</b>	Mr N Rajan	GC Member, IME(I) Kochi Branch
12	Women Members' Welfare	<b>WMWSC</b>	Mr Girish Kotwal	Chairman, IME(I) Pune Branch
13	Research Promotion	<b>RPSC</b>	Mr Suresh Shenoi	GC Member, IME(I) Chennai Branch
14	International Relations	<b>IRSC</b>	Mr Swapnil Kumar Saha	GC Member, IME(I) Kolkatta Branch
15	Tie Up & Growth – Non Govt	<b>TGSC</b>	Mr Dilshah Singh Anand	Chairman, IME(I) Visakapatnam Branch
	Others			
	Navy and Coast Guard			
16	Building, Land and Facilities	<b>BLFSC</b>	Mr Chitta Dash	Chairman, IME(I) Navi Mumbai Chapter
17	Career Development	<b>CDSC</b>	Mr Larson D'sa	Chairman, IME(I) Goa Branch
18	Public Relations	<b>PRSC</b>	Mr Kaushik Seal	President, IME(I)
19	Information Technology	<b>ITSC</b>	Mr P Lakshman	GC Member, IME(I) Mumbai Branch
20	High Value	<b>HVC</b>	1. Chairman – Building & Land Sub-Committee (BLFSC) - (Mr Chitta Dash) 2. Chairman – Finance Sub-Committee - (Mr Rajesh Kasaragod) 3. Vice President – IME(I) - (Mr Sunil Kumar) 4. Honorary General Secretary (HGS) – IME(I) - (Mr Vivek D Prasad) 5. Two Immediate Past Presidents – IME(I) - (Mr Rajeev Nayyer & Mr V K Jain)	

## IME(I) Mumbai Seminar Highlights the Human Side of Modern Seafaring



**O**n 11th October, the Mumbai Branch of the Institute of Marine Engineers (India) organised an insightful seminar at IME House, Nerul, themed "Mentorship in the Age of SIRE 2.0: From Compliance to Competence" and "Mind Over Matter: Emotional Wellness for Modern Mariners."

The event provided a dual focus on professional competence and emotional well-being – two dimensions increasingly recognised as vital for a sustainable maritime career. Attended by marine engineers, officers, students and industry leaders, the seminar set a holistic tone for seafarers' growth in the modern maritime environment.

The programme commenced with a warm welcome from **Mr. Saanjeev Mehra**, Chairman, IME(I) Mumbai Branch. In his opening remarks, he introduced the new Executive Committee members and acknowledged the efforts of previous teams. He pledged to continue building on their legacy while steering the branch towards new initiatives that prioritise innovation, professional development and member engagement.

The session proceedings were then conducted by **Mr. David Birwadkar**, Immediate Past Chairman of IME(I)

Mumbai Branch, who served as the master of ceremonies for the day.

The Chief Guest, **Shri Aniruddha Chaki**, Deputy Chief Surveyor-cum-Senior Deputy Director General (Tech.), Directorate General of Shipping, was invited to the stage, joined by the two speakers – **Capt. Debasish Basu** and **Ms. Deepshikha Mehra**. In his keynote address, Mr. Chaki emphasised the balance between vessel efficiency and human well-being, observing, "For us as professionals, the two key aspects we must always safeguard are the health of the ship and the health of the people running those ships." He appreciated the seminar's focus on both technical and mental resilience, noting that such initiatives help nurture a safer and more empathetic maritime culture.

The first technical session was delivered by Capt. Basu, Director of Navguide Solutions. His presentation explored mentorship in the evolving landscape of SIRE 2.0 and RightShip inspection regimes. He explained that as inspections become more data-driven and performance-based, human factors such as behaviour, preparedness and decision-making play an increasingly critical role.



# INDIA MARITIME WEEK 2025

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However, mentorship on board often depends on chance – a junior officer may thrive under a supportive senior or struggle in an unsympathetic environment. To bridge this gap, Capt. Basu proposed integrating technology-driven mentorship that supports learning and inspection readiness in real time.

He introduced Navguide's "Guide2Inspections" app, a digital mentorship and self-training platform currently used across hundreds of vessels worldwide. The app allows seafarers to conduct guided self-inspections, access training videos, and receive instant feedback – effectively acting as a "mentor in your pocket." Highlighted earlier this year at the IMO's HTW11 session by the International Transport Workers' Federation, the tool aims to transform compliance into competence through interactive, user-friendly learning. Capt. Basu concluded by stressing that, *"Technology should empower seafarers, not police them. When tools are intuitive and encouraging, they create confident, competent professionals who are invested in doing things right."*

The second session, led by Ms. Deepshikha Mehra, Transformative and Wellness Coach, shifted focus to the emotional dimension of life at sea. Her talk, titled "Mind Over Matter: Emotional Wellness for Modern Mariners," offered a hands-on approach to stress management and self-awareness. Using mindfulness exercises, somatic MRI meditation and breathing practices such as box breathing, Ms. Mehra demonstrated how small, consistent habits can significantly improve focus, mood and resilience. She reminded participants that mental wellness directly impacts safety, decision-making and teamwork on board. Through reflection, stretching and gratitude practices, mariners can cultivate emotional balance even amid long voyages and isolation.

The seminar concluded with a vote of thanks by Mr. Birwadkar, acknowledging the contributions of the speakers, dignitaries and participants. The event ended with a networking lunch.

## Glimpses of the Event





## World Maritime Day 2025 celebrated under the theme “Our Ocean, Our Obligation, Our Opportunity”



**W**orld Maritime Day 2025, organised by the **National Maritime Day Celebrations (Central) Committee** under the aegis of the **Directorate General of Shipping, Ministry of Ports, Shipping and Waterways**, was successfully held on 25<sup>th</sup> September 2025 at Maritime Training Institute, Shipping Corporation of India, Powai, Mumbai under the theme “Our Ocean, Our Obligation, Our Opportunity.”



The event was graced by **Shri Sameer Kumar Khare, IAS (Retired)**, Chairperson, National Shipping Board, as Chief Guest, along with **Shri Sushil Mansingh Khopde, IPS**, Additional Director General of Shipping and **Capt. Som Raj**, Personnel & Admin, Shipping Corporation of India.

Addressing the gathering, Shri Khare highlighted the growing significance of India's maritime



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sector in global trade and its vital role in advancing the country's economic and sustainable development goals. He urged maritime stakeholders to embrace innovation, enhance seafarer welfare and strengthen India's maritime capabilities to meet emerging challenges.

Shri Khopde, in his remarks, emphasised the Directorate's continuous efforts toward safety, digitalization and international collaboration to ensure a future-ready maritime ecosystem.

Video messages from **Shri Shantanu Thakur**, Hon'ble Minister of State for Ports, Shipping & Waterways, as well as insights from **Mr. Arsenio Dominguez**, Secretary-General, IMO, added a global perspective to the celebrations.

Enriching presentations were delivered by **Shri Ash Mohomad**, DDG; **Dr. Sanjay Bhavnani**, Director & C.O.O., MMS Maritime (India) Pvt. Ltd.; **Shri Gopikrishna C.**, Engineer & Ship Surveyor, DG Shipping and **Dr. Sudhir S. Kohakade**, IRS, DDG, showcasing DG Shipping's initiatives on maritime safety, sustainability and alignment with international standards.

The cadets of SCI-MTI added vibrancy with their cultural performance. The Committee expressed heartfelt thanks to all officers, staff, volunteers, media and seafarers for making the event a grand success. The celebrations reinforced the importance of the 2025 theme, inspiring collective responsibility towards safe, inclusive and sustainable oceans for generations to come.

The event concluded with a vote of thanks by Dr. Kohakade, who expressed gratitude to all participants and organisations for their active involvement. The celebration reflected DG Shipping's commitment to upholding India's maritime legacy and aligning its initiatives with global standards of sustainability and excellence.



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## *Shri Vijay Kumar appointed as the new Secretary of Ports, Shipping and Waterways*



The Ministry of Ports, Shipping and Waterways has announced the appointment of **Shri Vijay Kumar (IAS: 1992, AGMUT Cadre)** as the new Shipping Secretary, effective 01<sup>st</sup> October 2025.

Shri Kumar succeeds Shri T.K. Ramachandran who retired on 30<sup>th</sup> September 2025, after completing his distinguished tenure. His appointment was approved earlier by the Appointments Committee of the Cabinet on 22<sup>nd</sup> August 2025, which had also designated him as

Officer on Special Duty (OSD) in the Ministry to ensure a smooth transition.

A senior bureaucrat with extensive experience in the maritime and transport sectors, Shri Kumar previously served as Chairman of the Inland Waterways Authority of India (IWAI). During his tenure, he played a pivotal role in advancing the development and regulation of the country's inland waterways. His leadership at IWAI has been recognised as a strong foundation for his new responsibilities at the Ministry.

With his proven track record and expertise, Shri Kumar's appointment is expected to further strengthen the Ministry's ongoing efforts toward enhancing India's maritime infrastructure and promoting sustainable growth across the sector.

The Institute of Marine Engineers (India) extends its congratulations to Shri Vijay Kumar on his appointment as Shipping Secretary. Institute's fellow members, **Shri S. M. Rai** and **Shri Sanjeev Mehra**, met the newly appointed Secretary at the Directorate General of Shipping (DGS) Office.

**Mr. Vijay Kumar**

Secretary

Ministry of Ports, Shipping and  
Waterways



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- Have at least 3 years sea going service on merchant ships of which at least one year at management level and at least 3 months on Gas/Oil/Chemical Tanker.
- Principal / Permanent faculty with VICT and AECS

#### ADDITIONAL DESIRABLE EXPERIENCE AND SKILLS

- Preferably having experience in a Maritime Training Institute as a Principal (for Principal)
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### The Institute of Marine Engineers(India)

"IMEI House" Plot No. 94, Sector-19, Nerul, Navi Mumbai - 400 706, India

## IMU-Enhancing Students' Knowledge about IMO (I-ESKIMO 2025)



The I-ESKIMO 2025 Grand Finale, marking the fifth edition of the mock IMO session competition, was inaugurated by a welcoming address from **Captain Mihir Chandra**, Director of the Indian Maritime University (IMU) Navi Mumbai Campus and the event's Organizing Committee Chairperson.

Captain Chandra began by extending a warm reception to **Shri Shantanu Thakur**, Hon'ble Union Minister of State for Ports, Shipping and Waterways and other esteemed dignitaries on the stage as well as off the stage. He set a congratulatory tone by announcing the event's milestone: this edition was the first to be conducted in a physical mode, shifting from its purely online past. He positioned the event within the context of the "New India", a thriving democracy with demographic and digital dividends that is now acknowledged as the "voice of the global south". He proudly stated that IMU itself is "resurging" and resilient, mirroring the waves of India's transformation. He requested the esteemed government guests who would be representing India to "carry the sense of the young minds" generated by the competition's ideas to the formal discussions at the IMO.

**Dr. Malini V. Shankar (IAS) (Retd.)**, Vice Chancellor of the Indian Maritime University, delivered the inaugural address, expressing her delight at the event's growth and vision. Dr. Shankar detailed the competition's growth trajectory: it expanded from initially involving only the six IMU campuses to later include affiliated colleges, and since the previous year, it has been opened to a larger spectrum of institutions. She declared the ultimate goal is to see the competition grow regionally and globally. She credited the collaborative effort, particularly with the IMEI and DMECA teams, for structuring the concept into an engaging, competitive mode. She emphasized that there are no "losers" in this game, only winners, and that the interactions and "secondary learnings" are the most important takeaways for the cadets' future maritime leadership. She concluded with deep thanks to the mentors, guides, and faculty who translated the vision into a deliverable.

**Shri Sushil Mansing Khopde, IPS**, Additional Director General of Shipping,



WISHING ALL SEAFARERS  
AND  
THEIR FAMILIES  
**HAPPY DIWALI**



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provided an informative address, establishing the national importance and regulatory context of the I-ESKIMO event. The Additional DG began by commending IMU as a premier training institute whose "best practices" are often emulated by others, validating the significance of the mock IMO session. The core of his speech focused on major new initiatives the DGS is undertaking to enhance India's regulatory presence internationally. He highlighted that the new MS Act (Merchant Shipping Act, expected in 2025) is currently in the rule-making process and is designed to encompass all major IMO conventions, replacing the outdated 1958 legislation. Shri Khopde concluded his speech by wishing the participating cadets the best and emphasizing that engagement in the mock session vitally important for the future..



**Shri Shantanu Thakur**, the Hon'ble Union Minister of State for Ports, Shipping and Waterways, delivered the Chief Guest's address, connecting the student competition directly to India's national development goals and global stature. He commended IMU for its commitment to aligning academic learning with the real-world needs of the shipping industry. The body of his speech centered on the maritime transformation currently underway in India. Shri Thakur stated that under the guidance of the Prime Minister's vision for Maritime India and Viksit Bharat, the nation is swiftly modernizing ports, promoting shipbuilding, and empowering seafarers.

He praised the I-ESKIMO model for successfully bringing together academia, industry, and alumni to create a collaborative ecosystem where the industry benefits from the university's talent and innovation. Shri Thakur concluded his address with his wishes to all the students for their successful career in future.

IMO Mock Session started with twenty teams in the finale of IESKIMO 2025 under four themes: Human Element, Training and Watchkeeping (HTW), Marine Environment Protection Committee (MEPC), Maritime Safety Committee (MSC) and Ship Design and Construction (SDC).

After the session, Winners and runner-ups were declared under each theme and the prizes and certificates were distributed.

The programme ended with vote of thanks proposed by **Mr. Sunil Kumar Panda**, Associate Professor, IMU Navi Mumbai Campus.

The Institute of Marine Engineers (India) [IME(I)] has consistently played a pivotal role as a supporting organization in key maritime initiatives. Continuing this tradition, IME(I) extended its support to the event. **Mr. Rajeev Nayyer**, Past President, IME(I), along with his core team, led the IMO Mock Session. Additionally, **Mr. Sunil Kumar**, Vice President, IME(I), chaired the session on the Marine Environment Protection Committee (MEPC). Several eminent members of IME(I), including **Mr. Kaushik Seal**, President, IME(I), **Mr. S. M. Rai**, **Mr. Uday Purohit**, **Mr. Dilip Mehrotra** and **Mr. I. N. Bose**, were actively involved in the proceedings.

The winners and runner-ups of I-ESKIMO 2025 are as follows:





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COURSES	DURATION
Refresher Training For Proficiency In FPFF (R-FPFF)	1 Day
Refresher Training For Proficiency In PST (R-PST)	1 Day
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Refresher Training For Proficiency In PSCRB (Includes RPST) (R-PSCRB)	1 Day
Revalidation / Refresher and Updating Training for Engineers and ETO (REO)	4 Days
Revalidation / Refresher and Updating Training for Masters and Deck Officers (RUT)	4 Days
Refresher Training For Medical First Aid (R-MFA)	1 Day
Refresher Training For Medical Care (R-MC)	1 Day

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**HTW:**

**Winner**

Sivani Jyothi and Amar Gupta - IMU Kochi Campus

**1<sup>st</sup> Runner-up**

Kanika Chakraborty and Krish Chhandwal - IMU Kolkata Campus

**2<sup>nd</sup> Runner-up**

Varad Bag, Bibek Mondal, and Prabhjot Singh - IMU Mumbai Port Campus

**MEPC:**

**Winner**

Isham Ahmed, Aman Somra, and Mohammad Kaif - IMU Kolkata Campus

**1<sup>st</sup> Runner-up**

Ajnas Alla Kattu, Deepak Kumar, and Nandhu Binudas - Anglo Eastern Maritime Academy, Mumbai

**2<sup>nd</sup> Runner-up**

Kartik Anand Pandey, Parth Prakash Ingale and Asmit Vardhan - Samundra Institute of Maritime Studies, Mumbai

**MSC:**

**Winner**

Pranav Amit Prasad and Mohd. Emaad Khan - IMU Kolkata Campus

**1<sup>st</sup> Runner-up**

Aashi Mittal and Rashpal Singh - Anglo Eastern Maritime Academy, Mumbai

**2<sup>nd</sup> Runner-up**

Leenacharan S.S., Yogesh Singh Rana, and Hariharan S. - Coimbatore Marine College

**SDC:**

**Winner**

Divya and Navneet Krishna - IMU Kolkata Campus

**1<sup>st</sup> Runner-up**

Aakash Raj Sharma and Sidharth singh- International Maritime Institute, New Delhi

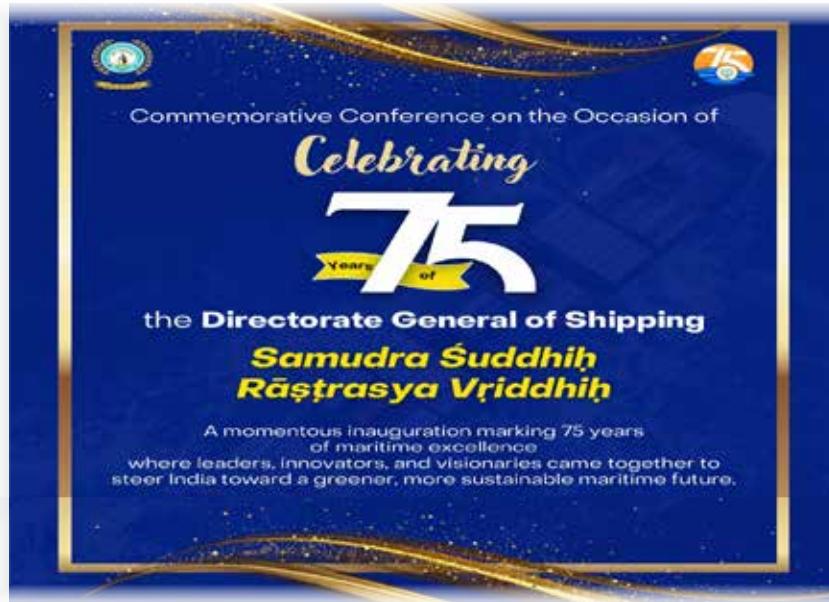
**2<sup>nd</sup> Runner-up**

Asif Ismail and Abin martin - International Maritime Institute, New Delhi





# Samudra Śuddhiḥ, Rāṣṭrasya Vṛiddhiḥ: Powering India's Green Maritime Renaissance



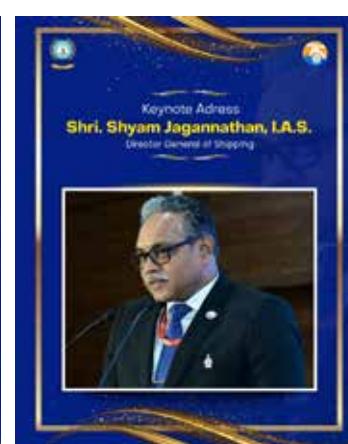
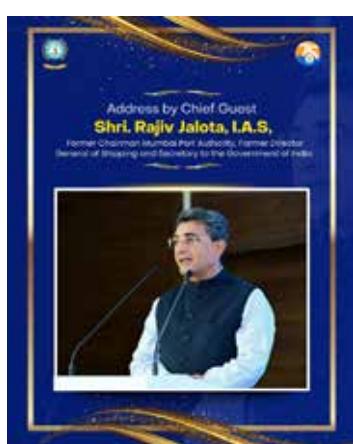
The Directorate General of Shipping (DGS) celebrated its 75th anniversary with a landmark commemorative conference titled "Samudra Śuddhiḥ, Rāṣṭrasya Vṛiddhiḥ: Powering India's Green Maritime Renaissance" on 17th October at Bharat Ratnam, Seepz, Mumbai. The event highlighted India's growing commitment to sustainability, clean energy and technological transformation in the maritime domain.

The conference was graced by **Shri Rajiv Jalota, IAS**, Former Chairman of the Mumbai Port Authority and Former Director General of Shipping, **Ms. Josefine Pallesen**, Maritime Counsellor, Embassy of Denmark in India and **Shri Shyam Jagannathan, IAS**, Director General of Shipping. Their addresses reflected on India's maritime

achievements over the past seven decades and outlined the vision for a greener, self-reliant maritime future.

**Mr. Kaushik Seal**, President, The Institute of Marine Engineers (India) was honoured to be invited to attend this milestone event. The four technical sessions were well-attended and provided valuable insights into the Green Transition of the Indian Maritime Industry, focusing on decarbonisation, renewable energy adoption, sustainable ship design and digital innovation.

The conference reaffirmed the shared commitment of policymakers, industry leaders and maritime professionals toward building a sustainable, resilient and globally competitive maritime ecosystem for India.





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## IMarEST Launches India Branch in Bhubaneswar, Strengthening Global Maritime Collaboration



The international professional body Institute of Marine Engineering, Science & Technology (IMarEST) has officially launched its India-wide branch, with its headquarters established in Bhubaneswar, Odisha. The inauguration marks a major step in reinforcing India's role

in global maritime education, professional standards and technological collaboration.

The launch event brought together industry leaders, academic partners and international delegates, including **Mr. Chris Goldsworthy**, Chief Executive Officer,





IMarEST and **Ms. Naomi Taylor**, Director, Membership & Professional Services, IMarEST. The India branch will serve as a hub for networking, professional development, technical training and knowledge exchange for marine engineers, scientists and technologists across the region.

**Mr. Kaushik Seal**, President, The Institute of Marine Engineers (India) was invited to attend the event as a Distinguished Guest. Mr. Seal presented IME(I)'s collaborative approach with IMarEST and outlined how aligning Institute's technical competence efforts across both organisations can enhance value for individuals, academia and business alike.

Gratitude is extended to **Mr. Vik Patra** and **Mr. Gaurav Chhabra** from Centurion University for their warm hospitality and invitation to the event.

IME(I) fully supports this landmark launch and looks forward to exploring the collaborative opportunities that will arise between IMarEST and IME(I).



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Second Mates (FG) Function Course	MEO Revalidation & Upgradation
Chief Mate (FG) – Phase I Course	AECS Course
Chief Mate (FG) – Phase II Course	TSTA Course
Advanced Shipboard Management	Ship Security Officer Course

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ME Engines / RT Flex Advanced Courses	5 days	Internal Auditor for ISM, ISPS MLC,QMS/ EMS/OHSMS/EnMS	3 days
BRM/LCHS-Chemical/ERM	5 days	DPA /CSO	2/3 days
ME-GI (LNG/ Methanol)	5 days	Incident Investigation & Root Cause Analysis	2 days
Marine Electrical/ Electronics/ Automation Workshop	5 days	Maritime Risk Assessment & Management of Change	2 days
WIN-GD Engines Operations & Management	5 days	Emergency Preparedness, Crisis and Media Handling	1 day
Soft Skills for induction into Merchant Marine	2 day	SIRE 2.0 & Human Element	2 days

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- Ship Maneuvering Simulator and Bridge Teamwork
- Liquid Cargo Handling Simulator Course (Oil)

Grade A1 (Outstanding)



## Women in Maritime Leadership: IMO-WMU-WISTA Training Course Equips Future Leaders



In a significant step toward strengthening gender diversity and leadership in the maritime industry, the *Women's Leadership and Empowerment (WLE)* training course, commissioned by the **International Maritime Organization (IMO)** and developed by the **World Maritime University (WMU)**, was recently conducted in Malmö, Sweden.

The comprehensive programme, held in a hybrid format—five days online followed by five in-person sessions at WMU from **6th to 10th October 2025** brought together 13 women professionals from developing countries, sponsored by the IMO. Additionally, two participants were supported by the Women's International Shipping & Trading Association (WISTA International), along with two WMU PhD scholars.

The WLE course aims to nurture confident and capable women leaders in the maritime sector, equipping them with advanced leadership, communication and decision-making skills essential to address modern maritime challenges. The programme also focuses on fostering teamwork, innovation, and inclusive management practices that contribute to sustainable maritime development.

Representing India on this prestigious platform was **Ms. Bhagyashree Ogale (AM 12862)**, a Corporate Member of the Institute of Marine Engineers (India) and an alumna of Tolani Maritime Institute. Ms. Ogale, currently serving as First Engineer with Teekay Tankers, was not only the sole participant from India but also the only seafarer among all attendees from various countries. She holds a Class I Certificate of Competency (COC) and completed her MEO Class I and II from IME(I).

Reflecting on her experience, Ms. Ogale shared that the course was an enlightening experience, offering valuable insights into leadership dynamics within the maritime domain. It also served as an eye-opener for several participants who had never before encountered women seafarers, particularly female marine engineers.

The initiative marks a vital step forward in promoting women's participation and leadership in maritime professions—continuing IMO, WMU, and WISTA's shared commitment to advancing gender equality across the global maritime community.

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**Course Id - 5113**

10  
Day

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1. Completed sea time required for appearing for a Certificate of Competency examination
2. Officers holding Certificate of Competency
3. Holds a Certificate of Proficiency for Basic training for Chemical Tanker cargo Operation
4. Has at least three months of approved sea going service on chemical tankers Within the last sixty months on Chemical tankers, or at least one month of approved onboard training on Chemical tankers on a supernumerary capacity, which includes at least three loading and three unloading operations and is documented in an approved training record book as specified in section B-v/1 of the STCW Code.

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Cargo Operation

10 days

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# Union Minister Launches Eight Key Maritime Projects as New Mangalore Port Authority Marks Golden Jubilee



The Union Minister for Ports, Shipping and Waterways, **Shri Sarbananda Sonowal**, inaugurated the Curtain Raiser Ceremony of the Golden Jubilee Celebrations of the New Mangalore Port Authority (NMPA) at Bharat Mandapam. To mark this milestone, the Minister unveiled eight major maritime development projects aimed at strengthening India's port infrastructure, enhancing logistics efficiency and promoting sustainable growth in the maritime sector.

The newly launched projects include a modern cruise terminal, covered storage facilities, a 150-bed multi-speciality hospital, expanded truck terminals and upgraded port access roads, all designed to improve operational capacity, user convenience and environmental sustainability.

To commemorate the occasion, Shri Sonowal also released a commemorative postal stamp, a special coin and the official Golden Jubilee Anthem of NMPA, celebrating five decades of the port's contribution to India's maritime trade and regional economic development.

Addressing the gathering, Shri Sonowal said, "Today marks a momentous milestone for India's maritime fraternity. Established in 1975 as our ninth major port, New Mangalore Port has evolved into a pivotal gateway for trade and commerce in southern India. From handling just a few thousand tonnes in its formative years, the port has achieved an impressive throughput of 46.01 million tonnes in FY 2024-25, with a total handling capacity of 104 million tonnes per annum. A new deep-draft general cargo berth, currently under construction, will soon further enhance its operational capabilities."

He added, "As India advances towards 'Viksit Bharat 2047' under the visionary leadership of Prime Minister Shri Narendra Modi ji, our ports will serve as the engines driving the nation's growth towards becoming a \$30 trillion economy. To achieve a truly Atmanirbhar and Viksit Bharat, we must also evolve into a Viksit, Atmanirbhar Maritime Nation by 2047."

Emphasising the importance of sustainable development, the



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**10  
Days**

**Course Id - 5122**

**Advanced Training for Liquefied Gas Tanker Cargo Operations**

**Entry Criteria:**

A Seafarer should hold minimum a Certificate of Proficiency as Rating in charge of a Navigational /engineering watch or Completed sea time required for appearing for a Certificate of Competency Examination.

Officers are required to hold a Certificate of Competency and a Certificate of Proficiency for Basic Training for Liquefied Gas Tanker Cargo Operations and at least three months of approved sea going service on Liquefied Gas Tankers within the last sixty months on liquefied gas tankers, or at least one Month of approved onboard training on Liquefied Gas Tankers in a Supernumerary capacity, which includes at least three loading and three Unloading operations and is documented in an approved training record book as specified in section B-V/1 of the STCW Code.



**Course Date: 3<sup>rd</sup> – 13<sup>th</sup> November 2025**

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Minister lauded NMPA's initiatives towards green and environment-friendly port operations. "Economic progress must not come at the expense of ecology. NMPA's commitment to sustainability and eco-conscious operations sets an example for others to follow," he remarked.

Shri Sonowal highlighted that Indian ports are rapidly transforming into smart, green and technology-driven gateways aligning with international standards. Flagship initiatives such as the Harit Sagar Guidelines, Green Tug Transition Programme, Harit Nauka Scheme and Green Shipping Corridors are steering India's maritime sector toward a clean-fuel and electric-vessel ecosystem.

Reflecting on a decade of unprecedented maritime progress, Shri Sonowal stated that under the guidance of Prime Minister Modi, India has made remarkable strides through strategic initiatives such as Maritime Amrit Kaal Vision 2047 and the Sagarmala Programme. These initiatives aim to unlock the potential of the Blue Economy, with a planned investment of 80 lakh

crore, expected to generate millions of employment opportunities.

Under the Sagarmala Programme, 840 projects worth 5.8 lakh crore are in progress. Of these, 272 projects worth 1.41 lakh crore have been completed, while 217 projects worth 1.65 lakh crore are currently being implemented across the country.

The eight projects launched under NMPA's Golden Jubilee initiatives are:

1. Construction of two pre-engineered covered storage sheds with a total capacity of 14,000 MT
2. Development of a dedicated cruise gate for international tourists
3. Modification of KK Gate entrance and exit with RFID-enabled systems, integrating Customs and CISF facilities
4. Expansion of the Customs House truck parking terminal, accommodating 50–80 trucks per day
5. PQC road construction at MDL Yard (675 metres) with advanced drainage infrastructure
6. Development of a truck parking terminal at Baikampady (20,000 sq. m.), with capacity for 180–200 trucks
7. Establishment of a 150-bed multi-speciality hospital under PPP mode, with an investment of 107 crore
8. Launch of a dedicated digital medical app for beneficiaries

The Golden Jubilee celebrations of NMPA, to be held later this year, will commemorate 50 years of service to India's maritime and regional development.

The ceremony was attended by **Shri R. Lakshmanan**, Joint Secretary (Ports), **Dr. Venkata Ramana Akkaraju**, Chairman, NMPA and senior officials from the Ministry of Ports, Shipping and Waterways (MoPSW), along with industry leaders and dignitaries.



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2. Officers holding Certificate of Competency
3. Holds a Certificate of Proficiency for Basic training for Chemical Tanker cargo Operation
4. Has at least three months of approved sea going service on chemical tankers Within the last sixty months on Chemical tankers, or at least one month of approved onboard training on Chemical tankers on a supernumerary capacity, which includes at least three loading and three unloading operations and is documented in an approved training record book as specified in section B-v/1 of the STCW Code.

Advanced Training for Chemical Tanker Cargo Operation	10 days	1 <sup>st</sup> – 11 <sup>th</sup> December 2025	<a href="#">CLICK HERE</a>
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## Indian Register of Shipping Announces Successful Delivery of Deck Cargo Ship HAITENG 007 in China



Indian Register of Shipping (IRS) has announced the successful delivery of the deck cargo vessel HAITENG 007 (IMO 1063504, GT 14,399), built under IRS classification at Qindong Shipyard, China.

This achievement highlights the precision, dedication and collaborative spirit of all teams involved in the project. From concept to completion, the vessel's construction was guided by technical excellence, coordination and a steadfast commitment to quality and safety standards.

The vessel's owner, M/s HK Haiteng Shipping Limited, Hong Kong, conveyed their appreciation to the IRS Qingdao Office, the IRS Plan Approval team and IRS management for their professional support throughout the project. The owners also expressed their intent to build additional vessels in the future, reaffirming their preference for IRS as their classification partner. This continued association reflects IRS's standing as a trusted

and reliable classification society, known for its consistent service and high technical standards.

Mr. Bai Guoping, Regional Manager (Far East), Indian Register of Shipping, said, "The successful delivery of HAITENG 007 is a proud milestone for IRS and a result of our strong collaboration with HK Haiteng Shipping and Qindong Shipyard. Our team in Qingdao, supported by the plan approval department and IRS management, ensured timely execution and adherence to the highest quality benchmarks. We are grateful for the confidence placed in us and look forward to supporting the owners in their future fleet expansion."

Mrs Zhang Yan, Chairman of HK Haiteng Shipping Limited, extended personal thanks to IRS for its professionalism, technical expertise and smooth coordination throughout the project.

The delivery of HAITENG 007 stands as a testament to IRS's commitment to excellence in ship classification and technical services, reinforcing its role as a preferred partner for shipowners worldwide.



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#### **QUALIFICATIONS & EXPERIENCE**

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- Have at least 3 years sea going service on merchant ships of which at least one year at management level and at least 3 months on Gas/Oil/Chemical Tanker.
- Principal // Permanent faculty with VICT and AECS

#### **ADDITIONAL DESIRABLE EXPERIENCE AND SKILLS**

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## Revolutionising Maritime with Innovation and Intelligence



The Technology in Maritime (TIM) 2025 Conference, organised by The Naval Connection, was successfully held on 10<sup>th</sup> October 2025 at The Celebrations Sports Club, Andheri, Mumbai. The event served as a leading platform for advancing innovation and technology in the maritime sector, bringing together industry leaders, professionals and experts from across the globe.

With the theme "Revolutionising Maritime with Innovation and Intelligence," TIM 2025 featured insightful

sessions on artificial intelligence, simulation and training, Internet of Ships (IoT), maritime wellness and continuous professional development. The conference highlighted emerging technologies and their role in shaping the future of the global maritime ecosystem.

The Institute of Marine Engineers (India) was proud to be the **Support Partner** for this landmark event, reflecting its ongoing commitment to promoting technological excellence and professional growth in the maritime domain.

A key highlight of the conference was the Innovation in Maritime (IIM) Awards, which celebrated pioneering ideas and innovative solutions in the maritime industry. **Mr. Kaushik Seal**, President, IME(I), was invited to serve as a Jury Member for the Awards, contributing his expertise in evaluating innovative projects and technological advancements.

TIM 2025 reaffirmed the importance of collaboration, knowledge sharing and technological adaptation in driving sustainable progress within the maritime sector.



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## India's First Fleet of EV Trucks with Swappable Batteries Flagged Off at JNPA by Union Minister Shri Sarbananda Sonowal



In a major step towards sustainable port operations, **Shri Sarbananda Sonowal**, Union Minister for Ports, Shipping & Waterways (MoPSW), flagged off **India's first fleet of electric heavy-duty trucks equipped with swappable batteries** at the Nhava Sheva Distribution Terminal of **Jawaharlal Nehru Port Authority (JNPA)** on 25th September. With this initiative, JNPA becomes the **first Indian port to deploy such a fleet**, marking a significant stride in green logistics and energy transition.

A state-of-the-art **battery swapping station** was also inaugurated, reinforcing JNPA's commitment to decarbonisation. The port plans to **electrify 90% of its internal heavy vehicle fleet**—around 600 trucks—by December 2026.

On the occasion, an **MoU was signed between JNPA and the Isaac Centre for Public Policy (ICPP)**, Ashoka University, Delhi, aimed at developing a reference framework to guide port authorities in determining tariffs through cost and port benchmarking across various cargo types.

Speaking at the event, **Shri Sonowal** said, "Today, as JNPA advances towards full fleet electrification, it sends a message beyond its gates—that India's ports are future-ready and committed to sustainability, efficiency and innovation. Under the visionary leadership of Prime Minister Shri Narendra Modi ji, we are building a maritime sector that not only aligns with global standards but also leads in green transformation. Ports across the country are integrating renewable energy, LNG and hydrogen fuel infrastructure and electrified cargo-handling systems to achieve this vision."

The launch of this **cutting-edge EV fleet** marks another milestone in JNPA's journey towards reducing carbon emissions and enhancing energy efficiency. **Fifty**



**EV trucks** were flagged off today, with the fleet expected to grow to **80 trucks by year-end**.

Commending JNPA's recent achievements, Shri Sonowal added,

"JNPA continues to make headlines for the right reasons—from being ranked among the world's top 25 ports in the World Bank's CPPI Index to achieving record container throughput and driving initiatives in SEZ development, digitalisation and renewable energy. Today's event adds another milestone to its growing list of accomplishments."

The event was also attended by **Shri R. Lakshmanan, Joint Secretary (MoPSW)** and **Shri Unmesh Sharad Wagh, Chairperson, JNPA and CMD, VPPL**.

Speaking on the occasion, **Shri Wagh** stated,

"This new EV truck fleet represents more than just an operational upgrade—it signifies a transformative shift towards a greener and more resilient logistics ecosystem. As the custodian of India's largest container port, JNPA remains committed to harmonising economic growth with environmental responsibility. These trucks will serve as ambassadors of a sustainable future for Indian ports."

As a port handling nearly **50% of India's containerised cargo**, JNPA's initiative sets a national precedent in **sustainable logistics** and supports key Government of India programmes including **PM Gati Shakti** and the **National Logistics Policy (NLP)**.



Through this initiative, JNPA will:

1. Contribute to India's **net-zero emissions goal by 2070**, aligning with national energy transition targets.
2. Support the **National Electric Mobility Mission Plan (NEMMP)** by enabling large-scale EV deployment in heavy logistics.
3. Reduce carbon emissions, particulate matter, and noise pollution within port operations.
4. Create a **replicable model** for other major and non-major ports in adopting electric vehicles for cargo and last-mile operations.

This landmark initiative reaffirms JNPA's dedication to the **Maritime India Vision 2030** and the **Green Ports Initiative**, underscoring its leadership in sustainable port-led development. With the launch of India's first EV truck fleet with swappable batteries, JNPA continues to set new benchmarks for innovation, operational excellence and environmental stewardship.

# The Measure of a Life

In life we are not in a race with each other until forced into competition  
 In fact, each of us needs to set our pace with methodical conviction

According to our ability, body constitution we ponder,  
 Focussed to achieve, dream to wonder or surrender

To achieve a goal, we need to raise our bar set by champions,  
 We only need to believe in ourselves and available combinations

All hardworking individuals are passionate about beauty or being beautiful,  
 Experience the real struggles in the world with ordeals and pain seeming soulful

People around us generally ignore the dreams within, our determination and tears,  
 As each one is trying to make a good life wading rough seas for self and others

Success is not always about looks, born with silver spoon or nepotism,  
 But intense fight within you against the big bad ugly world of favouritism

Life is not always about appearance, ordaining beautiful ornaments or colour,  
 Likewise, it's not about judgement or opinion of others in your path of valour

It's not about a painter's praise of unusual picture,  
 or exquisite exhibition of sculpture of extraordinary culture

But sustaining our inner strength to create an indomitable character,  
 Which shall not wilt or succumb to worldly measures of an actor

We don't need the world to convey our beautiful countenance,  
 we are inculcated with rare talents of unwavering exuberance

We need to proclaim as a courageous hardworking and compassionate spirit,  
 for help in any crisis with qualities addressed coupled with undeterred grit

Some of us will be remembered for the unbreakable devotion,  
 While some will know for our intense uninterrupted compassion

Many of us will be endeared for our strength in philosophy,  
 While some will be adored for laurels decorated with trophy

Many may be recalled for divine knowledge and creativity  
 Many seek for the mettle of resilience, patience and resistivity,

Courage, penance, beauty and prosperity are words of altruism  
 For building a character of your own in an oppressed kingdom

All gods are revered not for beauty but for exquisiteness of quality,  
 While our qualities should be a significant signature of anonymity,

So, in this world we men are known for our heroic duty,  
 While women are reminisced for extreme beauty

So, we are all born to carve a niche or a beauteous entity,  
 Or for the thirst in ocean of knowledge to distinguish personality

Seek for yourself contentment of life close to God within you,  
 Forget who treads in your path of goal but attain redemptive glue

- **Pattabhiraman Lakshman (F 5402)**



## About the Author

**Mr. Lakshman Pattabhiraman** graduated from DMET in 1988. After serving as Chief Engineer and later as Technical Superintendent with Great Offshore, he held leadership roles at Tag Offshore and CS Offshore. He is currently the Global Maintenance Head at Rochem Separation Systems.



## Obituary



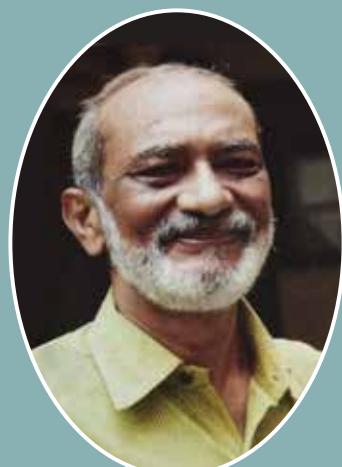
### I.M. RAO (F 8893)

**Mr. I. M. Rao** (born on 25<sup>th</sup> April 1933), left for the heavenly abode on **30th September 2025** in Chennai.

Mr. Rao was a distinguished and venerable **Senior Marine Engineer**, remembered for his exemplary contributions to the maritime fraternity. He served as **President (1989–1991)** of *The Institute of Marine Engineers (India)*, as well as **Chairman and Governing Council Member** of the Chennai Branch. He also held the position of **Managing Director** at *Marine Engineering Services Pvt. Ltd., Chennai*, where his leadership and expertise were widely respected.

Mr. Rao left behind his wife Mrs. Ivaturi Bala Rao, sons **Raghu, Satya** and **Ravi**, their families and his loving grandchildren. His remarkable career and dedication to the marine engineering profession leave behind an enduring legacy of excellence and inspiration.

May his soul rest in peace.



### Parimal Bikash Ray (F 976)

Mr. Parimal Bikash Ray from Kolkata and a distinguished alumnus of DMET Batch 1964–68, left for his heavenly abode on 11th October 2025.

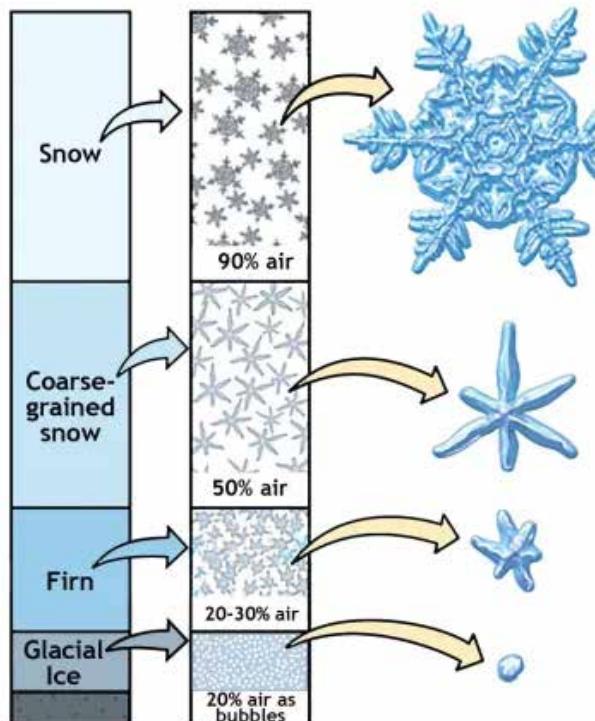
After completing his B.Sc. from Calcutta University, Mr. Ray joined DMET in 1964. Upon graduating in 1968, he began his professional journey with the Shipping Corporation of India (SCI), where he served with distinction on board as Chief Engineer. Later, he contributed to maritime training as Head of Training at the SCI Training Institute, Mumbai. Subsequently, he was transferred to the Kolkata office of SCI and retired as General Manager in 2005. He also served MMD as External Examiner for a prolonged period.

He also rendered his services to the Institute of Marine Engineers (India), Kolkata Branch, as Chairman for a brief tenure of six months.

He left behind his wife Mrs. Tapashi Ray and two daughters.

The Institute of Marine Engineers (India) conveys its heartfelt condolences to the bereaved family and extends its support to them during this difficult time.

## Marine Musings - Titanic - Part VIII - My Tryst with The Titanic



**M**y confession is near posthumous, with a watery grave in my sight, in the North Atlantic, in the last moments before I lost the little of life I had left, lost to the warmer seas around me, where I was about to give up my body of ice and fresh water to the sea water that clawed at my sunken body and my head of ice that kept sinking closer and closer to the sea water, losing my every last bit of body by the hour. I finally vanished, consumed by the relentless sea that had consumed civilisations.

Do I identify myself now or keep up my anonymity till the last? No, the world deserves to know.

*I am the infamous Snowflake turned Iceberg that the 'Titanic' struck on 14th April 1912, 113 years ago.*

*I am here to confess, as my very presence caused the loss of many lives although, I know, deep in my heart, that I am not at fault.*

*I do not know my age. I may be a million years old or maybe just a few thousands.*

I started life as a watery snowflake and found, around me, millions of my brethren who were close to me, but not adhering to me.

The seasons did not get warmer, so we started to cling to each other as more and more of my kind fell upon us.

Some were coarse, some were finer. The air around us started getting scarcer, as we started huddling together.

This went on for years, for centuries. How many I am unaware, as time, for me, was timeless, meaningless.

As time went by, I found myself very closely bound to all my brethren around me, the bond strengthening us into a solid mass of ice. I lost the memory of my snowflake days.

One day I woke up after a deep sleep to find small pockets of air around me, almost like bubbles. And there was very little of it. It did not bother me, as it had no meaning for me, being, by now, rock hard **glacial ice**.

I look around me and find I am near what the humans call as Greenland, close to the North Pole. An ancient, collective, memory in me tells me that we are the smaller part, as my cousins in Antarctica, further South, are larger, stronger, denser.

I found that I had been named as a '**Glacier**'. Year after year, there was snowfall - never heavy - in winter and low temperatures in summer, lower still in winter. I hardened into thicker and thicker ice in summer and became heavier and heavier in the winters with the accumulated snowfall. I became huge.

The dispersal of my weight was not even and I protruded at the edges, whether in the air or in the water. As the protruding parts of our glacial body grew heavier and heavier, many of my brethren, even though small, just broke away and fell into the sea. Some would survive for days, some for months.

The humans call my separation from my glacial body as '**calving**'. The forward motion of a glacier makes the end, or terminus, of the glacier unstable, causing ice to break off.

### ***I am then christened as **Iceberg**.***

Unlike most of my brethren, I was one of the very large parts of the glacial body to be 'calved'. I fell into the water and crashed into the sea, making a thunderous noise and causing huge waves. There was no one to witness my 'calving', my fall, my birth, my christening, my new name. There were no terrestrial objects to record the boom created by my fall into the water.

That I would cause mayhem a couple of years later, I had no premonition. I was neither a soothsayer nor a fortune teller, but a mere **Iceberg**, slowly starting to drift along where the currents carried me.

There was a deafening silence as I drifted along, the silence of Death.

First the East Greenland Current caught me and took me south. Then I was hitched on to the West Greenland Current, which took me west into Baffin Bay after which I passed Baffin Island, then passed Labrador in Newfoundland, till I was deposited on to the back of the Labrador Current.

Till then, I did not really mind, as these were cold currents, not moving at all during my winter sojourn, just existing in the Baffin Bay.

As I started moving south, I could feel my size very gradually dwindling away, melting because of my nemesis, the sea and the slightly warmer sea water.

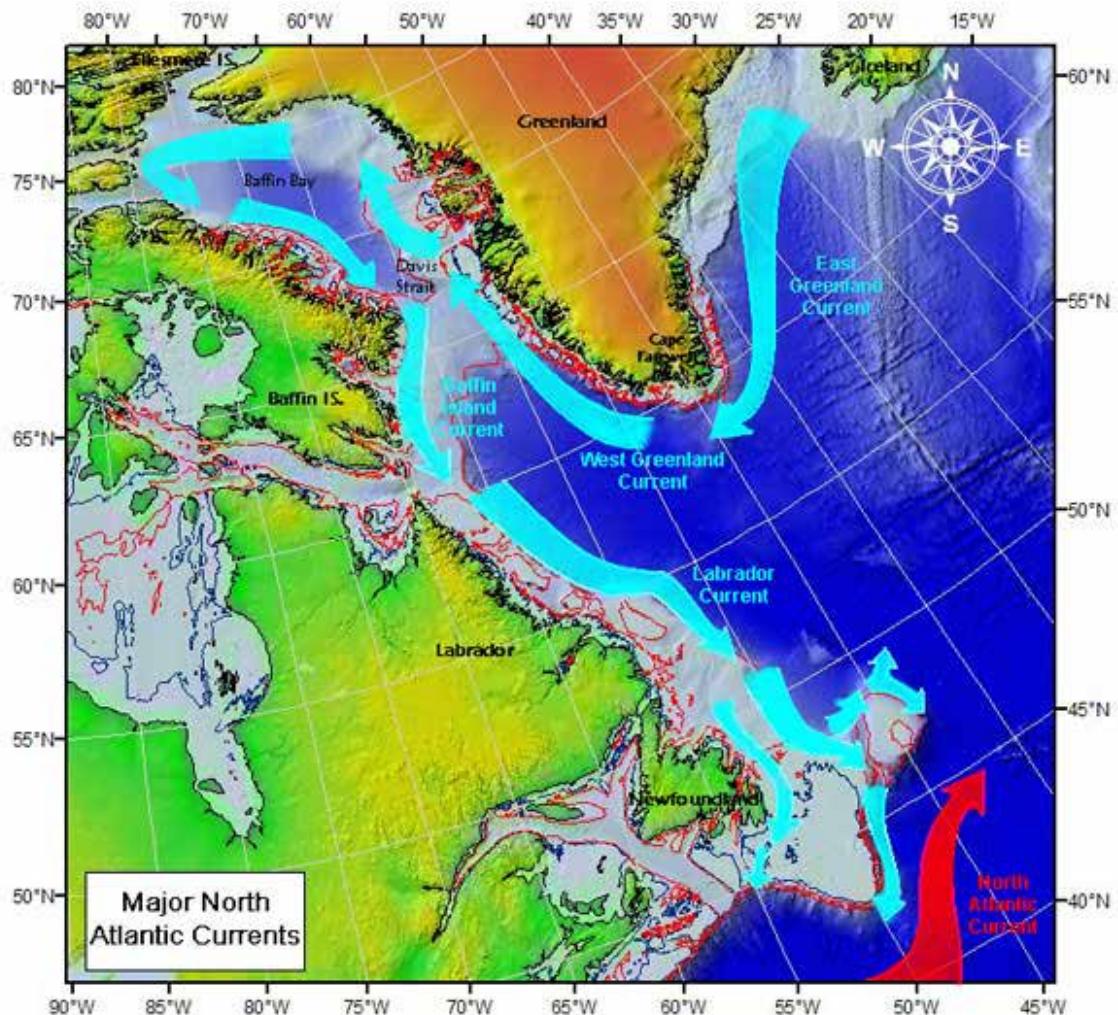
The current had weakened, I could feel myself slowing down, nearly stopping, **waiting**.

### ***Awaiting my karma.***

I was, then, about 70 to 80 feet high, 400 feet long. I had no way of knowing how big was my underside (underwater), as my lower body was numb from the freezing temperatures. *But I am still a Colossus, weighing above a million tons.*



*At my 'calving', my weight was about 2 million tons*



I was at Co-ordinates :  $41^{\circ} 43' 32''$  N,  $49^{\circ} 56' 49''$  W, waiting for the *Titanic*, on the ill-fated night of 14th April 1912.

I was about 350 nautical miles or 400 miles off the coast of Newfoundland.

The seawater temperature was 28 deg F = -2.22 deg C.

The sea was calm.

There was no moonlight; the moon had already set.

Visibility was poor, the light of the stars being the only guiding light.



# FIRST INFORMATION BROCHURE



## COMARSEM-2026

*An International Convention  
Theme*

### ***Maritime India-Innovations & Collaboration***

*Date*  
**29-30 JANUARY 2026**

*Venue*  
***Vivanta Ernakulam, Marine Drive, Kochi***

*Organised by*  
**The Institute of Marine Engineers (India), Kochi Branch**  
**Kamalam Towers, Narayananasan Road**  
**Vyttila, Kochi, Kerala 682019**  
**Mob: 7025159111, 8129852288**  
**[comarsem@gmail.com](mailto:comarsem@gmail.com)**



**COMARSEM 2026**  
**COCHIN MARINE SEMINAR**

## Invitation for Technical Papers

Marine engineering professionals from industries, research & development organizations, academic institutions, government departments , Shipyards, Main Engine & Auxiliary machinery and equipment makers, marine coating Experts are invited to contribute unpublished papers on the theme and sub themes. Participants intending to present papers are requested to submit abstracts by the e-mail. Intimation regarding acceptance of the abstract will be sent to your mail id. The selected papers will be published in the souvenir and might be published in the MER journal of the Institute of Marine Engineers. Technical paper may include the following areas of interest & topics:

1. Promotion of Ship Building, Ship Repair and Ship Recycling.
2. Effect to become top Seafaring Nation with Education, Research & Training.
3. Development of Port infrastructure - Transition to Smart & Sustainable Practices
4. Marine Policy and Governance: The challenges in developing effective marine policies and regulations
5. Greenhouse gas fuel intensity (GFI), Emission management in shipping.
6. Use of Z N Z fuels: Ammonia, Hydrogen, Bio fuels and other Alternative Fuels.
7. India's Global Stature in innovations and maritime Collaboration.
8. Fast-track Maritime Dispute resolution & Arbitration
9. Development of Indian maritime insurance sector
10. Safe, Sustainable & Green Maritime Sector
11. Untapped opportunities in Inland Waterways & Coastal Shipping
12. Dredging industry – Growth and Sustainability
13. Logistics Efficiency & Cost Competitiveness
14. India as a Global Hub for Cruise Tourism.
15. Adoption of advanced technologies – Digitalization and Autonomous ships.
16. Marine Robotics and Artificial Intelligence in marine industry.
17. Use of Underwater Vehicles (AUVs) and Drones in marine industry.
18. Marine Security and Piracy - need for enhanced security measures.
19. Maritime Logistics - supply chain optimization, containerization.
20. Blue Economy - sustainable use of oceans
21. Advanced applications of Marine Biotechnology.
22. Maritime Energy Transition,
23. India as a Global design hub Data Analytics and Predictive Modelling
24. Underwater Acoustics and Communication.
25. Marine Cyber Security and prevention of Piracy.
26. Emerging Materials and Marine Coating Technologies
27. Marine Litter and Plastics and prevention of Pollution
28. Advanced marine propulsion systems
29. Absorption of carbon dioxide and heat by Oceans.
30. Empowerment of the women in Maritime Sector.

## Guidelines for paper presentation

- The time allotted for each paper presentation is about 20 mts.
- All selected papers will be printed in the souvenir and also likely to be published in Marine Engineers Review journal.
- Last date for receiving papers is 1<sup>st</sup> Nov.2025
- Acceptance of the paper by the Technical Committee will be intimated by 30 Nov 2025.
- The approved papers which cannot be presented in Seminar will be published in the souvenir.

## Sponsorship & Supporters:

For Platinum Supporters 8 free delegates, full page colour advertisement in Souvenir and slot for periodic LED display.

1. Gold Supporters 7,00,000/- 6 free delegates, Full page colour advertisement in Souvenir and slot for LED display
2. Silver Supporters 5,00,000/-: 4 free delegates, full page colour advertisement in souvenir
3. Special Supporters 2,00,000/- : 2 free delegates and a full-page colour advertisement in Souvenir.

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5. Inside Half page Colour	Rs. 30,000/-
6. Inside Full page Black & White	Rs. 30,000/-
7. Inside Half page B & W	Rs. 20,000/-
8. Banner display at the seminar Venue	Rs. 20,000/-
9. Rate for Exhibition space (Size: 3 m x 3 m)	Rs. 50,000/-

## Details of the Souvenir

- Souvenir will be released during the inaugural function - Size:21cm x 27.5 cm. with print area 18cmx 22cm.
- Printing process will be by Offset Printing in four colours.
- Authors and their organizations are invited to support by way of advertisement in the souvenir.

## Bank Details & Payments

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KPC Junction, M.G. Road  
Kochi - 682011

## Address for Communication

Mr. N. RAJAN, Convener, COMARSEM 2026,  
The Institute of Marine Engineers (India),  
Kamalam Towers, Narayananan Road  
Ponmuri, Vyttila, Kochi, Kerala 682019  
Mob: 8129852288, 7025159111  
comarsem@gmail.com

## Convention Venue

Vivanta Ernakulam, Marine Drive, Kochi  
Accommodation at Venue  
(Delegates desiring accommodation in hotels may please intimate in advance)  
NB: any change in Venue/ date will be intimated

## Advisory Board

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## Welcome to Kochi

Kochi known as the Queen of Arabian Sea is a vibrant city situated at south west coast of scenic Kerala State, hailed as the "God's own country". From time immemorial the Arabs, British, Chinese, Dutch and Portuguese have left indelible mark in the history and development of this small coastal state. Kochi has preserved many historic remains and monuments adding to its glory. Kochi is the industrial capital of Kerala and is proud of its sea ports, container terminals, LNG terminal, Shipyard, world class international air port, Metro Rail and Water Metro net work. Kochi is connected to interior tourist attraction centres by rail, road and river transport. Several grades of hotels and Restaurants serving delicious food at affordable rates are available in and around the city.

## About the organizer:

The Institute of Marine Engineers is a premier body of marine engineering professionals of India. We have more than 13,000 members, many of the serving in India and overseas in key positions. The head quarters is in Mumbai and eight branches function at different locations in India. The Institute actively provides facilities to enhance knowledge of the members and extends a wide range of services encompassing from professional growth to welfare of members. The objectives of IME is to promote the scientific development of Marine Engineering, enable marine engineers to exchange ideas and information. To uphold the status of Members, to co-operate with other institutions, Classification societies and industry and the furtherance of education in engineering.

## About the COMARSEM 2026

COMARSEM, COchin MARine SEMinar is periodically conducted by the Kochi Branch of The Institute of Marine Engineers India. COMARSEM-26 is an international seminar being organized in January 2026. This mega event will bring eminent stakeholders from various fields of maritime industry under one umbrella in National & International level. This event will host panel discussions, technical presentations, and interactive sessions on the theme **"Maritime India – Innovations and Collaborations"** and deliberate on the progress of Indian maritime industry and explore the possibilities of adopting suitable strategies to fulfil our dream of becoming one of the Maritime Superpowers. The event will feature, focused panel discussions, addressing key themes such as establishing a superior technology baseline, involving non-traditional stakeholders, accelerating greener technology adoption, innovative training methodologies and establishment of maritime cluster to cope up with the emerging challenges indigenously. These discussions will foster cross-industry collaboration, drawing insights from both Indian and international stakeholders, while exploring the financial and technological pathways required to achieve these ambitious targets.

## India's Maritime Strength and Advantages .

1. India with a coastline of approximately 7517 km, is strategically located on the world's shipping routes.
2. Being a part of the world's busiest trade route elevates the economic prominence of India's maritime sector. About 95% of India's foreign trade and 70% of its total trade in terms of value takes place through seaways.
3. India is home to 12 major ports, over 200 other ports, 30 shipyards and a comprehensive hub of diverse maritime service providers.
4. India has one of the largest merchant shipping fleets among the developing countries and is ranked 20th in the world.
5. During the last financial year, the country's major ports have demonstrated substantial enhancements in their crucial operational metrics. They have efficiently managed increased cargo volumes and expedited loading and unloading processes, resulting in quicker ship turnaround times.
6. India's maritime sector is poised for a significant transformation following the unveiling of a comprehensive roadmap at last year's Global Maritime India Summit organised by Ministry of Ports, Shipping & Waterways with FICCI as the Industry partner.

7. The substantial potential of the maritime sector can serve as a crucial driver in propelling the economic trajectory towards achieving a self-reliant India by 2047.

8. The Amrit Kaal Vision 2047, outlined by the Ministry of Ports, Shipping & Waterways, expands upon the objectives set forth in the Maritime India Vision 2030. It strives to elevate ports to global standards while advancing inland water transport & coastal shipping and fostering sustainable practices within the maritime sector.

9. The percentage of Indian seafarers in the global shipping industry is expected to rise to 20% within the next ten years

## Areas of Interest

1. Promote Domestic Ship Building, Repair & Recycling
2. Enhance India's Global Stature & Maritime Cooperation
3. Lead the World in Safe, Sustainable & Green Maritime Sector
4. Become Top Seafaring Nation with World Class Education, Research & Training.
5. Innovation and Emerging Technologies in the Maritime Sector
6. Untapped opportunities in Inland Waterways & Coastal Shipping
7. Focus on development of Dredging industry.
8. Boost stakeholders' confidence in Maritime Financing,
9. Develop Port infrastructure - Transition to Smart & Sustainable Practices
10. Logistics Efficiency & Cost Competitiveness
11. Enhance Ease of Doing Business & Operational Efficiency through Technology.
12. Strengthen Policy & Institutional Framework.
13. Become a Global Hub for Cruise Tourism
14. Enhance Cargo & Passenger Movement in Inland Waterways & River Sea vessels
15. Development of Indian maritime insurance sector
16. Clean energy fuels: Establishing Hydrogen and Alternative Fuel Centers.
17. Adoption of advance technologies – Digitalization and Autonomous ship



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*I was waiting for my Tryst with Destiny, my 'Titanic'.*

*As God is my witness, this is my confession, my testimony.*

*As I was languidly snoozing in the freezing but calm waters of the night, my instincts alerted me to the underwater noise close by that only propellers can produce.*

*That night I am like dark matter, almost invisible, in spite of my size.*

*In the distance I saw a huge ship heading straight for me.*

*I did not have any means of alerting her and she also did not seem to have sighted me.*

*At the last minute, there was a cry that rent the air - "Iceberg right ahead" - and bells ringing.*

*The ship hit - as per records - at 1140 PM on 14th April 1912. Chunks of ice from above me broke away and fell on to the deck of the ship.*

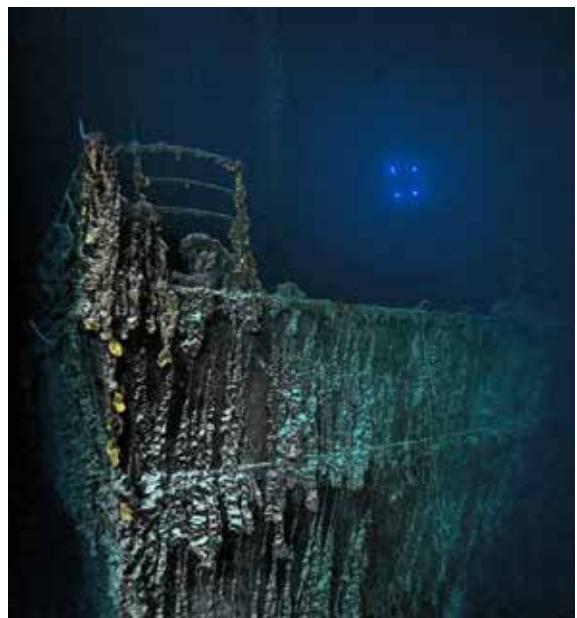
*She scraped my side about 4 to 6 feet below the waterline, 10 feet below at places, 30 feet or more below the waterline at other places.*

*The contact areas were countless, the scraping very heavy.*

*There were powerful impacts even further down.*

*If I could feel, I would have felt the enormous, tearing impact as tons of steel scraped hard against me.*

*If I could hear, I would have heard the grinding sound of rivet heads slicing off, the 'popping' sounds of rivets - suddenly free of a vise like hold, just plonked into the ship by the thousands.*



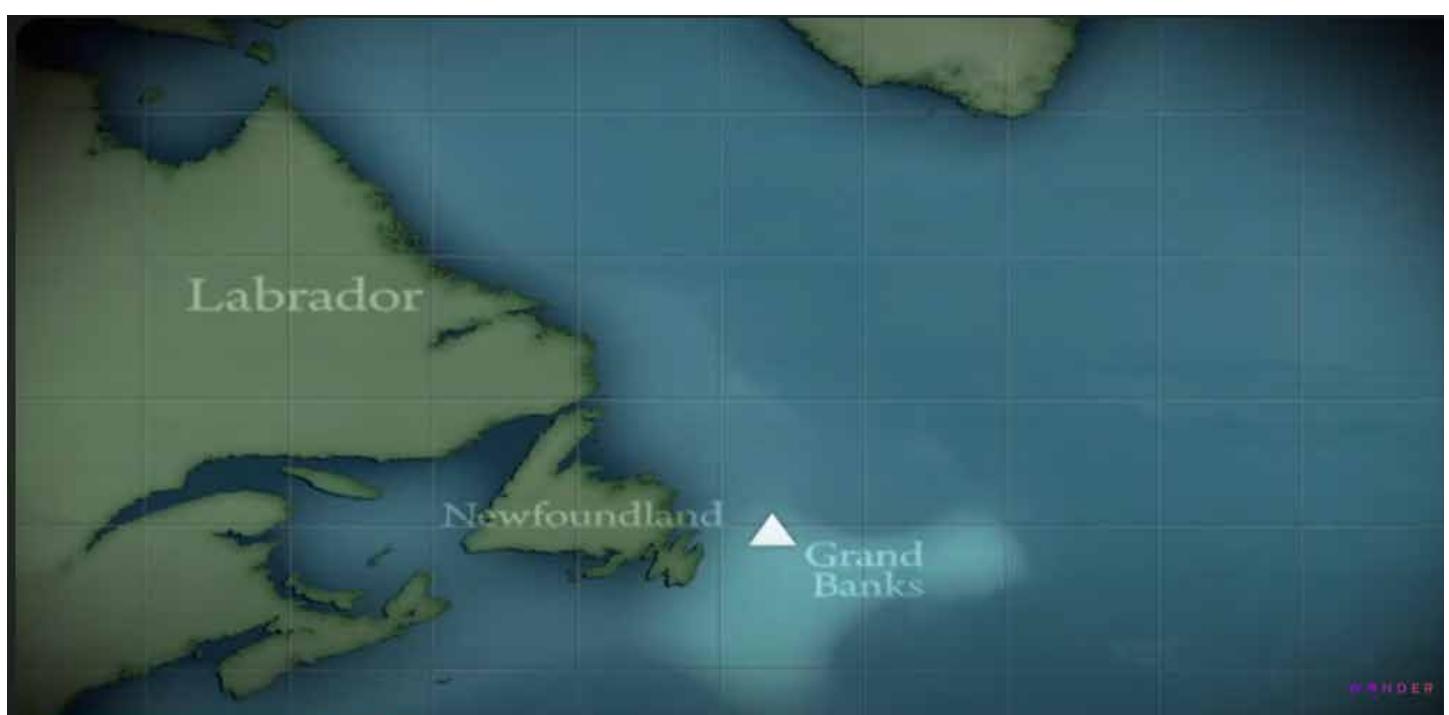
*If I could hear, I would have heard the heavy groan of steel plates detaching themselves from each other as the rivets that bind them fell away.*

*If I could hear, I would have heard the sound of water gushing into empty spaces.*

*If I could see, I would have seen the thousands of holes appear on the steel plates as the rivets popped.*

*If I could see, I would have seen a hundred plates separating from each other.*

*If I could feel, I would have felt the sharper points of myself, much below my main body and the waterline, piercing the steel plates at many points and tearing the plate as she scraped on me.*



I remain, nearly motionless, at the Grand Banks



*The impact lasted less than 9 seconds, before she pushed herself away.*

*But in those 9 seconds, I found that hundreds, perhaps thousands, of her rivets were smashed. The plates that those rivets held separated, allowing hundreds of tons of cold water to flood into her compartments.*

*Sharp tentacles of ice below my waterline punched holes into her steel plating at many places and tore open her plating, pouring huge amounts of water into her, the tentacles disappearing in the process. Either broken away or melting from the heat of contact.*

*All I could do was watch helplessly as she broke up and went down, sinking into the very waters that I was floating in.*

*For hours, I could hear the cries of those in the water, unable to help.*

*I rued the day I was calved.*

*Was this my destiny - to be responsible for thousands of deaths, the infamy?*

*Daylight found that I had a streak of red paint on my side, apparently from the hull of the ship, the Titanic.*

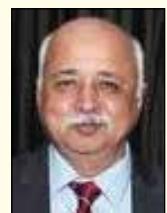
*I hovered around for the next two weeks, floating in the same area, listless and grief stricken as I slowly melted away to become one with the sea.*

*In the last minutes, my past flashed before me starting from my snowflake days.*

*And then ..... nothingness.*

## About the Author

**Mr. A. Ranganathan**, 1970 batch of DMET, now retired, worked in Sisco and Barber SM. Of the 38 years at sea, 28 were as Chief Engineer, served on Car Carriers, Container Vessels, Bulk Carriers, MPCs and Self Unloaders.



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